

CURING STRUCTURAL CONCRETE

The Standard Specifications are revised as follows:

SECTION 702, BEGIN LINE 1131, DELETE AND INSERT AS FOLLOWS:

702.22 Curing Concrete. *Concrete in bridge decks or the top surface of reinforced concrete slab bridges shall be cured continuously for at least 168 h commencing immediately after the surface is able to support the protective covering without deformation. Curing of patches or small full depth deck replacement areas on existing bridge decks that are to be overlayed, may be controlled by test beams in accordance with 702.24(a).*

Unless otherwise specified or permitted, *all other* concrete shall be cured for at least 96 h commencing immediately after ~~initial set~~ *the surface is able to support the protective covering without deformation.* If portland-pozzolan cement, type IP or IP-A, or fly ash is used, the concrete shall be cured for at least 120 h ~~commencing immediately after initial set.~~

Membrane forming curing compound may be used in lieu of protective covering curing methods. Where it has been determined that a surface treatment or class 2 finish is to be used, the membrane forming curing compound shall not be used.

The curing of surfaces to be waterproofed may be discontinued when waterproofing is started.

If field operations are controlled by beam tests, *the* curing time, *except for bridge decks and the top surface of reinforced concrete slab bridges*, shall be in accordance with 702.13~~(g)~~*(h)*.

If further precautions are necessary to ensure strength, they shall be taken as directed.

SECTION 702, BEGIN LINE 1150, DELETE AND INSERT AS FOLLOWS:

(a) Protective Covering Curing Methods. Surfaces to be cured shall be protected by covering with ~~canvas, straw, cotton mats, burlap, sand,~~ or other satisfactory protective material and shall be ~~wetted at sufficient intervals~~ *kept continuously and thoroughly wet* during the curing period ~~to prevent premature drying.~~ ~~Canvas, straw, and burlap~~ *The protective covering shall be suitably anchored to keep the protective materials in place during the curing period.* Curbs, walls, handrails, copings, and other surfaces requiring a ~~rubbed~~ finish *in accordance with 702.21* may have the covering temporarily removed for finishing, but the covering shall be restored as soon as possible.
